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WIRELESS INSTITUTE OF AUSTRALIA

B·A·R·G NEWS

© Monthly Newsletter of the
Ballarat Amateur Radio Group Inc.

BALLARAT AMATEUR RADIO GROUP Inc.

JUNE '92

CLUB STATION

VK3BML

REGISTERED BY AUSTRALIA POST, PUBLICATION No. VBH3397

(2)

EXECUTIVE COMMITTEE 1991/92

			HOME	WORK
PRESIDENT	Tom George	VK3DMK	355662	327234
IMM. PAST PRESIDENT	Ian McDonald	VK3AXH		311317
VICE PRESIDENT	Ian Robinson	VK3FD	358031	315911
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EDUCATION OFFICER	Ian McDonald	VK3AXH		311317
NET CO-ORDINATOR	John Hazledine	VK3CFH	391971	391035
TECHNICAL OFFICER	Dick Antoziewicz	VK3AEX	323273	311818
MEMBERS' REPS.	Mary Curnow	VK3FMC	301927	
	Reg. Carter	VK3CAZ	417585	

OFFICERS AND COMMITTEES

QSL MANAGER	Jeff Pigdon	VK3PAP	327041	311211
AWARDS MANAGER	Maurie Batt	VK3XEX	422245	
PROPERTY OFFICER	Dick Antoziewicz	VK3AEX	323273	311818
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	Geoff Smith	VK3ADB	332112	
	Tom George	VK3DMK	355662	327234
TECHNICAL COMMITTEE	Ian McDonald	VK3AXH		311317
	Dick Forrester	VK3VU	357663	391001
	Merv Hooley	VK3KAW		311317
	David McConnell	VK3YNB		
NEWSLETTER EDITOR	Norm D'Angri	SWL	341613	29 Lawrence St. Alfredton - 3350

REPEATERS:
VK3RBA - 146.750 MHz. Voice. Mt. Buninyong. (Ch. 3)
VK3RBS - 146.900 MHz. Voice. Smeaton Hill. (Ch. 6)
VK3RPC - 147.600 MHz. Packet Mt. Warrenheip
VK3RBU - 438.475 MHz. Voice. Mt. Hollowback

CLUB NET: Thursday nights at 8 pm. (8.30 pm. during daylight saving)
Freq. - 3.610 MHz. +/- QRM.

FOX HUNTS: Monday nights at 7.30 pm.
Freq. - 146.500 MHz. Meet at Education Centre - Hopetoun St.

2 METRE SCRAMBLE: Sunday nights at 7.50 pm.
Freq. - 146.425 MHz. to 146.600 MHz. Call back on VK3RBA.

MEETINGS: Last Friday of every month at 7.30 pm. at
Ballarat Community Education Centre
Hopetoun St. Ballarat.

CORRESPONDENCE: Please address all correspondence to:

The Secretary
B. A. R. G. Inc.
P. O. BOX 1216
MAIL CENTRE BALLARAT 3354

PRESIDENT'S REPORT

It is definitely that time of year for staying warm in the shack with frosts and foul weather about. Why then, you may ask, did some of us go and camp on a hill top and operate in a tent for the Novice Contest. Well ..... I suppose you could call it madness, but those of us involved enjoyed the best weekend weatherwise for a long time. VK3BML was activated for the weekend and a good time was had by all. I will see if I can rope or con someone into writing a report of the event for the next issue. I haven't checked the log for duplicates yet, but provisionally we logged 307 contacts and scored 1123 points.

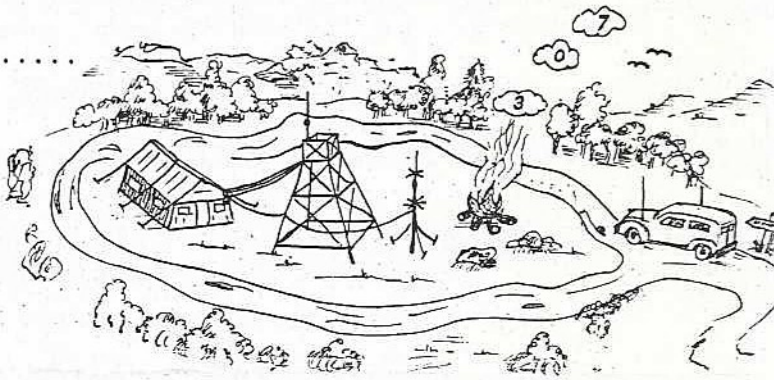
July is our Annual General Meeting month and all members are reminded that membership fees will fall due.

At our meeting this month Noel Voss, father of Richard VK3VEN will give us a talk and display of RADIO CONTROLLED YACHTS which I think you will find most interesting.

Peter VK3FR has arranged for a Bureau of Meteorology talk, display and demonstration of Satellite Weather fax equipment for our September meeting

That's all I have for this month. This issue contains an up to date Scramble score, and I will be expecting final logs for this event at the June meeting. Sunday 21st. June was the last event, this coming weekend starts a new Scramble competition period.

73 TOM VK3DMK .....



B. A. R. G. CROSSWORD (NORM.)

ACROSS

2. UNIT OF CURRENT FLOW.
5 IN A BEAM, THE DIPOLE IS THE ..... ELEMENT.
7 UNITS OF RESISTANCE.
8 DAH DAH
9 NTH. QUEENSLAND (COLL)
12 NOT DIT
13 THEY EXIST
14 OMISSIONS EXCEPTED (INIT)
16 WIRE GAUGE STD.
17 CONTROL ELEMENT IN TRIODE
19 COMPUTER OPERATING SYSTEM.
21 LEAVES THE PLANNED PATH.
24 STAKE
26 ALTERNATIVELY
27 SINGLE FEMALE
29 SOURCE OF SOLAR RADIATION
30 PIEZOELECTRIC ROCKS (eg. QUARTZ)
33 RADIO TELEPHONY (INIT)
34 12TH. LETTER OF GREEK ALPHABET
35 MORSE TRANSMISSION MODE (INIT)
36 CONTACT
38 TITLE
39 SORT AGAIN
41 SAME AS 26 ACROSS
43 TELECOM DEVICES (ABREV)

DOWN

1 GREAT STUFF! (USUALLY SMALL)
2 A PLATE
3 GIRLS NAME
4 RADIO INSPECTOR (INIT)
5 INFORMATION
6 WHERE A HAM LIVES
8 CHORES
10 HEART, LUNGS, LIVER ETC.
11 JUNCTION OF BRANCHES ON COMPUTER NET.
12 -1 OF A BEL (ABREV)
15 OUR NATION (INIT)
18 STATION IDENTIFICATION (ABREV)
19 THE STUFF OF THE EARTH
20 A GROOVY NEEDLE
22 VOICE OPERATED EQUIPMENT MODE. (INIT)
23 ECHO LIMA SIERRA
25 LAPS OF WIRE ON COILS
28 VARIATION IN TURNTABLE SPEED CAUSES ...
31 NOT FM
32 A COMMON EXTRUDED CONDUCTOR
35 OSCILLOSCOPE (INIT)
36 LOW POWER
37 NOT NTH.
40 LIKE FLYNN !
42 RADIO FREQUENCY (INIT)

Why not try your hand at making up a similar puzzle and we'll publish it ? It is just as much fun as solving them. PLEASE have a go and send your effort to Tom or Norm.

(Solution this issue but no peeking !)

Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω

If at first you don't succeed, destroy all evidence that you tried.

4

MINUTES OF GENERAL MEETING HELD 29th MAY 1992.

MEETING OPENED by President Tom VK3 DMK at 7.40pm with 57 members and visitors in attendance.

APOLOGIES VK3 VTR,CCB,DS,AEX,NIZ;ANH,AXH.

MINUTES as circulated in Newsletter were confirmed.. CAZ/XDQ.

CORRESPONDENCE IN Policy for public risk insurance from CIC Insurance Co.

CORRESPONDENCE OUT Ballarat Courier.Thanks for $75.00 donation.

TREASURERS REPORT General a/c $1332.22.Accounts for payment $627.04.KGL/DCS.

CLUB NET Active,Intelligent and Intermittant.(Report from John CFH)

EDUCATION 2 students passed the NAOCP exam.New callsign VK3 MIJ David.

TECHNICAL Merv KAW reported that RPC is out of order,will be fixed shortly and the concrete slab for RBU has been poured at Mt.Hollowback.

NEWSLETTER MORE ARTICLES NEEDED PLEASE.

WICEN At the last co-ordinators meeting a uniform for WICEN was adopted.

GENERAL BUSINESS Merv KAW would like to hear from Phillips 828 owners who might requie crystals.144.750 Bottom end.

Construction of the Packet Linking Repeater is going ahead.

Melbourne Packet Radio Group have requested that BARG host a meeting in Ballarat on 1st and 2nd of August.

Moved KAW seconded EF that Club cater for this meeting on a cost recovery basis. carried.

Moved AAI seconded DCS that Club pledge donation to Begonia Festival if it is held in 1993. carried.

Moved CFH seconded FD that Club purchase tent offerred by TKG for $50.00. carried.

Mary FMC thanked all who assisted in moving tower for her.

MEETING CLOSED at 8.15pm followed by the Annual Junk sale conducted by George DOK and Bob BNC.

73s Jim CFB

##############

ANONYMOUS I consign all anonymous letters to the WPB but I thought this one warranted circulation. Jim.

To the Ballarat Amateur Radio Group,

This is just a letter of thanks to everyone who is involved with helping, educating and organising the Novices to get on the air.

It seems that no problem is too large or too small,it is a credit to the club and the people concerned.

Many thanks from everyone that has been helped.

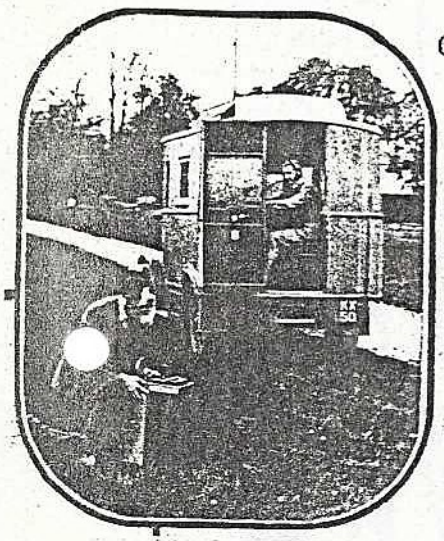
WANTED KNOWN

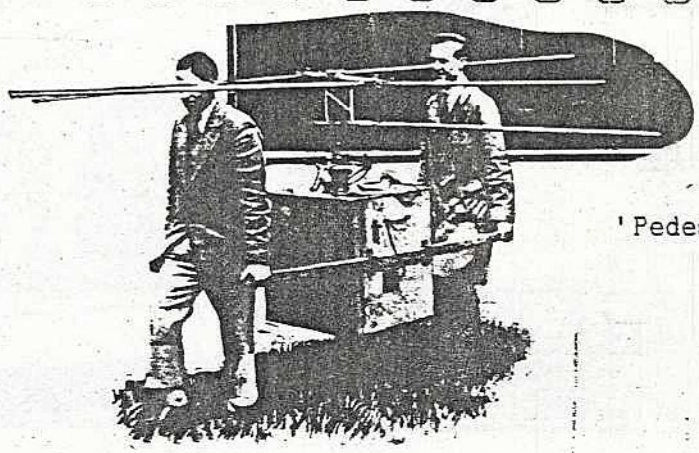
JUNE MEETING - Friday 21st. at Education Centre, Hopetoun St.

DON'T FORGET - B. A. R. G. Annual Meeting - JULY 31st. 1992.

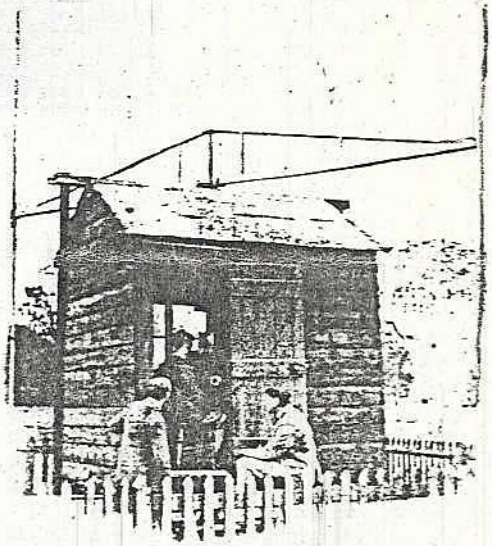
MORE ARTICLES are needed so that the B. A. R. G. News can be made more interesting for you - the members.
If you have a small project, story, list of data, or any other article which you feel may be of interest to other members, please forward it A. S. A. P. to the Editor.
(Address inside front cover.) TNKS.

'Stationary Mobile !'





'Pedestrian Mobile !'

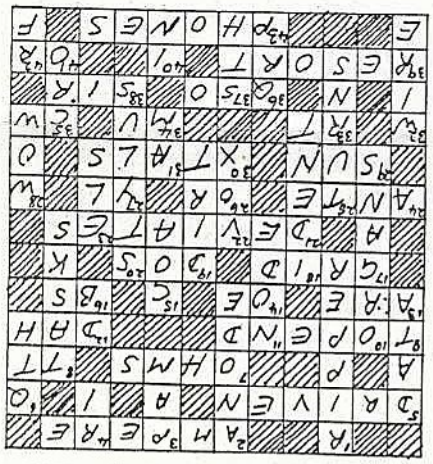


'I can't wait for my turn !'

SCRAMBLE POINTS UPDATE

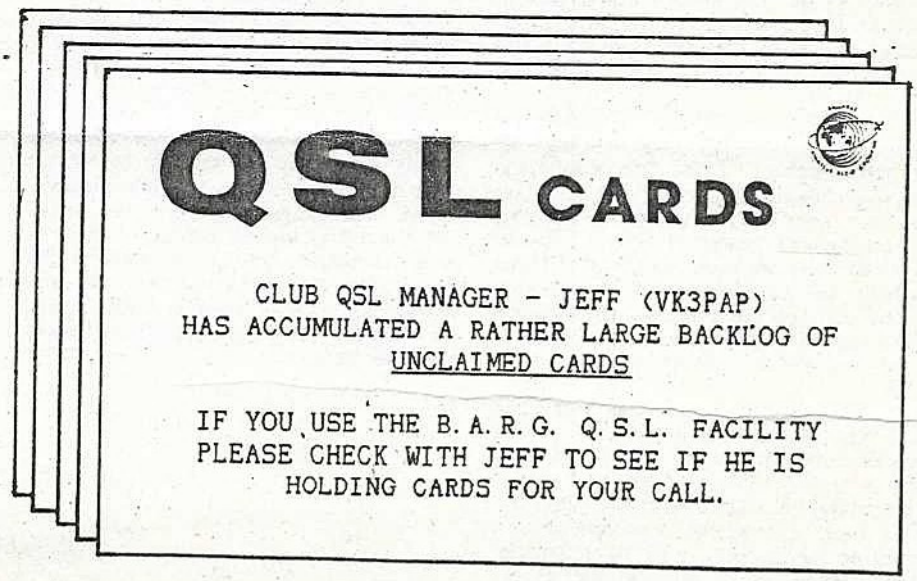
VK3KAY	328
VK3FMC	269
VK3DCS	209
VK3DOK	181
VK3VEJ	172
VK3CIS	104
VK3JAT	83
VK3DET	83

CROSSWORD SOLUTION.



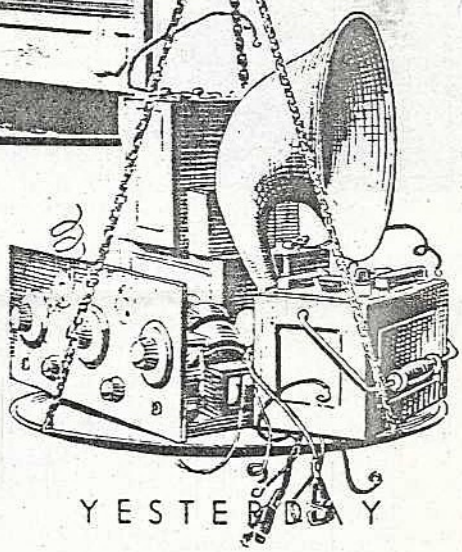
This radio direction finder shown above building swings in any desired direction

I didn't know that it was impossible when I did it !



NEW SETS

Are the Best in History of Radio



By ALFRED P. LANE

In the Popular Science Institute laboratory the new radio sets have been given rigid tests and these results compared with records of previous models show 1932 receivers have high selectivity.

Superheterodyne Circuit Found in Nearly All 1932 Receivers—Selectivity Now Fine

IN SEVERAL ways the new radio receivers now being announced are vastly superior to previous models. Every radio set owner and every prospective set buyer is interested in knowing just how the new sets are better than the old ones. If you now own a set, you will be particularly interested in knowing how great these improvements are in actual figures.

Generally speaking, the new sets will be smaller than last year's models figuring grade for grade. Not much change is to be expected in appearance although of course this fall's models will be housed in cabinets constructed in the latest style. Naturally there are minor changes and improvements in dial construction and other details.

Aside from appearance, the choice of a radio receiver depends on four main points of performance. These are sensitivity, which means the ability to bring in distant stations; selectivity, which is the measure of a receiver's power to choose between stations close together on the dial; tone quality or faithfulness in reproducing speech or music; and volume, the strength of the sound impulses which can be developed from the loudspeaker without distortion.

Nearly every important maker of radio receivers has now shifted over to the superheterodyne circuit except for the lowest priced models. Last year superheterodyne circuits were in the minority. This rapid change has been due to new licensing agreements and to important improvements in the superheterodyne circuit itself. These were described in a previous article (P. S. M., Feb. '31, p. 84).

The Popular Science Institute has been testing radio receivers for many years and has, in consequence, complete records of the performance characteristics of virtually all the good sets made in previous years. After this year's models had been tested, last year's records were consulted for comparison and as all tests have, for some time, been carried out on exactly the same basis, it has been an easy matter to strike averages and so compare the performance of the new season's offerings with last year's models.

The sensitivity of the average new model is better than last year's set. However, this is, for practical radio reception under average conditions, quite unimportant. In fact, such improvement as there has been in sensitivity was not deliberately sought by the manufacturers. It came as a natural result of other improvements. The reason why improved sensitivity is nearly useless is because there is always a certain amount of static in the air on all wave lengths and when the sensitivity is pushed beyond a certain limit, the static drowns out any signal that might otherwise be heard.

How New Sets Excel

GREATER selectivity is the main point of superiority that the new model radio sets have over those of last year.

Sensitiveness shows little change.

Volume is greater than any fan could desire.

Cabinets are compact and of latest design.

A PAGE FROM THE PAST

POPULAR SCIENCE - OCTOBER 1931

FROM IAN - VK3FD

B. A. R. G. CALLSIGNS

The following is a list of callsigns held by B. A. R. G. members as at June'92

You may find it of some benefit to remove this page and pin it to the shack wall for reference. Could you please notify any errors or alterations.

A	VK3 AAI - Murray	F	VK3 FD - Ian	S	VK3 SE - Stan
	VK3 AAP - Bud		VK3 FGC - Gordon	T	VK3 TBN - Peter
	VK3 ABI - Gordon		VK3 FIO - Ian		VK3 TDG - Dennis
	VK3 ABK - Dick		VK3 FMC - Mary		VK3 TI - Paul
	VK3 ACC - Roger		VK3 FR - Peter		VK3 TKG - Peter
	VK3 ADB - Geoff	H	VK3 HZ - David		VK3 TOP - Ben
	VK3 ADX - Merv	I	VK3 IBM - Ken		VK3 TU - Bert
	VK3 AEX - Dick	J	VK3 JMA - Mark	V	VK3 VAG - Jim
	VK3 ADG - Woody	K	VK3 KAV - Ken		VK3 VEN - Richard
	VK3 AMC - David		VK3 KAW - Merv		VK3 VTR - Eric
	VK3 ANH - Jim		VK3 KAY - Doug		VK3 VEJ - Charlie
	VK3 AQM - Phil		VK3 KEH - Frank		VK3 VU - Dick
	VK3 AXH - Ian		VK3 KG - Ken	W	VK3 WN - Kevin
B	VK3 BNC - Bob		VK3 KGL - Harry	X	VK3 XAH - Adrian
	VK3 BQC - Ian		VK3 KHN - Robert		VK3 XDQ - Daryl
	VK3 BSL - Bill		VK3 KIT - Leon		VK3 XEX - Maurie
C	VK3 CAZ - Reg		VK3 KJH - Jim	Y	VK3 YJM - Jeff
	VK3 CCB - Cliff		VK3 KL - Laurie		VK3 YMW - Max
	VK3 CFB - Jim		VK3 KQB - Brian		VK3 YNB - David
	VK3 CFD - Ian		VK3 KQQ - Neil	Z	VK3 ZCO - John
	VK3 CFF - Frank		VK3 KY - Ivor		VK3 ZHH - Ron
	VK3 CFH - John	L	VK3 LDB - Daniel		
	VK3 CFI - Maggie		VK3 LDC - Dick	4	VK4 CLM - Leo
	VK3 CIS - Ian		VK3 LU - Jeff	4	VK4 CMC - Clarrie
	VK3 CJB - John	M	VK3 MGI - John		
	VK3 CRD - Reg		VK3 MGR - Danny		_____ - _____
	VK3 CUH - Neville		VK3 MIJ - David		_____ - _____
	VK3 CYD - Clem	N	VK3 NBM - Barry		_____ - _____
D	VK3 DAL - Peter		VK3 NIZ - Ted		_____ - _____
	VK3 DCS - Charlie		VK3 NLY - Laurie		_____ - _____
	VK3 DET - Ernie		VK3 NTA - Trevor		_____ - _____
	VK3 DFI - Lou		VK3 NVZ - Bill		_____ - _____
	VK3 DIE - Greg		VK3 NWN - Keith		_____ - _____
	VK3 DLO - Laurie	P	VK3 PAP - Geoff		_____ - _____
	VK3 DMK - Tom		VK3 PDA - Ken		_____ - _____
	VK3 DOK - George		VK3 PDB - Debbie		_____ - _____
	VK3 DS - George		VK3 PH - Bill		_____ - _____
E	VK3 EF - Ian		VK3 PRT - Ron		_____ - _____
	VK3 EHP - Damien		VK3 PUD - Joe		_____ - _____
	VK3 ESM - Steven		VK3 PUI - Ian		_____ - _____

Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω

W. I. A. SLOW MORSE TRANSMISSIONS

VK2 BWI Nightly at 2000 local on 3550 kHz.
VK2 RCW Continuous on 3699 kHz. 5 wpm, 8 wpm, 12 wpm.
VK3 RCW Continuous on 144.950 MHz. 5 wpm, 10 wpm.
VK5 AWI Nightly at 1030 UTC. on 3550 kHz

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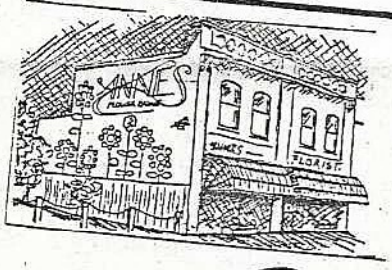

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